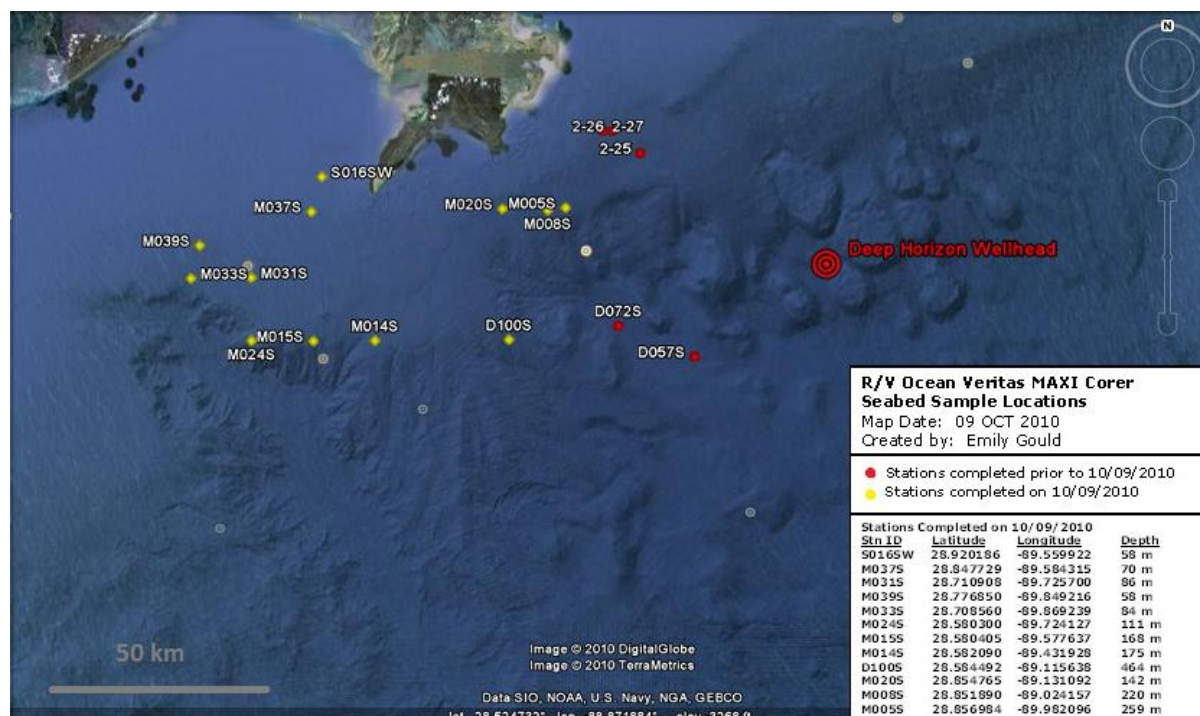


<i>Seabed Sampling and Baited Camera Operations</i>	
Vessel	R/V Ocean Veritas
Summary Report Number	09
Operating equipment	MAXI Corer (8 core unit)
Date	09 October 2010
Completed casts (12 hr)	12
Report compiled by	Emily Gould

Seabed Sampling Locations



All cores were processed and stored in accordance with SOPOV01. GC/MS and Microtox™ toxicology testing was planned to be conducted offshore, however outstanding supplies meant that this was not possible. Samples were prepared and stored for hydrocarbon, trace metal, BTEX, grain size, total inorganic carbon, total organic carbon, meiofauna and macrofauna testing and analysis onshore.

The core tube is 60 cm in length with an internal diameter of 10 cm. Typical sample recovery from the core is as follows:

Supernatant water: length = 15 cm, volume = 1178 cm³

Sediment: length = 45 cm, volume = 3534 cm³

Station S016SW

Lat: 28.920186

Long: -89.559922

Cores recovered: 8 of 8

Supernatant water

Recovery: 9 cm

Visible contamination: None

Olfactible contamination: None

Sediment

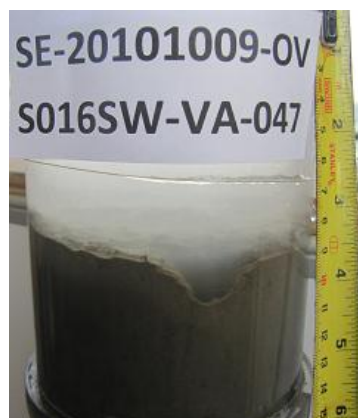
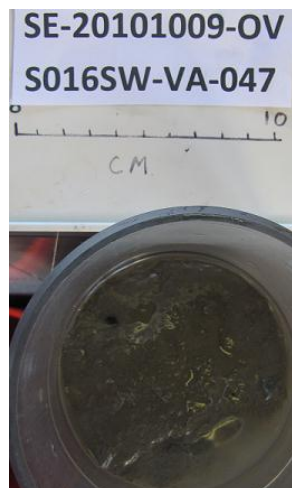
Recovery: 51 cm

Visible contamination: None

Olfactible contamination: None

Description: Olive brown, very soft sediment approximately 9 cm depth, becoming very dark brown, soft sediment approximately 40 cm depth, becoming very dark brown, firm, homogenous silty clay.

Biota: Worms, crustaceans, cumaceans.



Station M037S

Lat: 28.8477729

Long: -89.584315

Cores recovered: 8 of 8

Supernatant water

Recovery: 6 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 54 cm

Visible contamination: None

Olfactible contamination: None

Description: Very dark greyish brown, very soft sediment to approximately 10 cm depth, becoming dark olive grey, soft, homogenous silty clay.

Biota: Worms.



Station M031S

Lat: 28.710908

Long: -89.725700

Cores recovered: 8 of 8

Supernatant water

Recovery: 18 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 42 cm

Visible contamination: None

Olfactible contamination: None

Description: Dark olive grey, very soft sediment to approximately 10 cm depth, becoming black, firm, homogenous silty clay.

Biota: None.



Station M039S

Lat: 28.776850

Long: -89.849216

Cores recovered: 8 of 8

Supernatant water

Recovery: 27 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 33 cm

Visible contamination: None

Olfactible contamination: None

Description: Olive fluidized sediment to approximately 4 cm depth. Olive brown, very soft, homogenous silty clay, becoming firm.

Biota: Worms.



Station M033S

Lat: 28.708560

Long: -89.869239

Cores recovered: 3 of 8

Supernatant water

Recovery: 54 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 6 cm

Visible contamination: None.

Olfactible contamination: None

Description: Olive fluidized sediment to approximately 5 cm depth. Olive, very soft, homogenous silty clay, becoming firm with sandy layer ~30-35cm.

Biota: Worm tubes.



Station M024S

Lat: 28.580300

Long: -89.724127

Cores recovered: 7 of 8

Supernatant water

Recovery: 22 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 38 cm

Visible contamination: None.

Olfactible contamination: None

Description: Olive fluidized sediment to approximately 3 cm depth. Dark olive grey, very soft, homogenous silty clay with isolated organic patches.

Biota: Large dead sea urchin.



Station M015S

Lat: 28.580405

Long: -89.577637

Cores recovered: 8 of 8

Supernatant water

Recovery: 14 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 46 cm

Visible contamination: None.

Olfactible contamination: None

Description: Olive fluidized sediment to approximately 2 cm depth. Olive grey, very soft, homogenous silty clay, becoming soft.

Biota: Worm tubes.



Station M014S

Lat: 28.582090

Long: -89.43928

Cores recovered: 8 of 8

Supernatant water

Recovery: 13 cm

Visible contamination: None

Olfactible contamination: None

Sediment

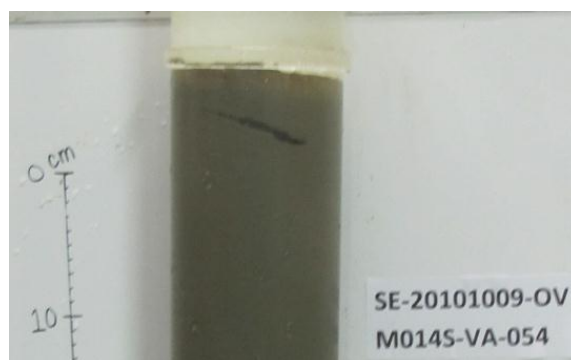
Recovery: 47 cm

Visible contamination: None.

Olfactible contamination: None

Description: Olive fluidized sediment to approximately 1 cm depth. Olive grey, very soft to soft, homogenous silty clay, with firm layer ~25-35cm.

Biota: Crill.



Station D100S

Lat: 28.584492

Long: -89.115638

Cores recovered: 7 of 8

Supernatant water

Recovery: 13 cm

Visible contamination: None

Olfactible contamination: None

Sediment

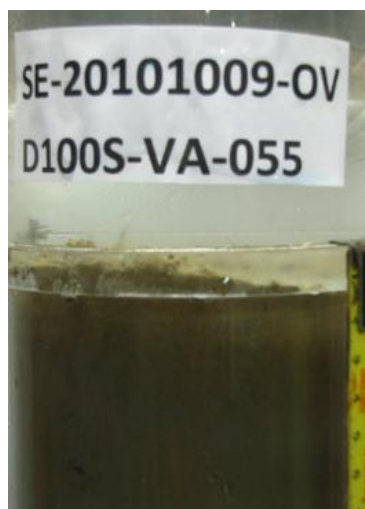
Recovery: 47 cm

Visible contamination: None

Olfactible contamination: None

Description: Olive fluidized sediment to approximately 1 cm depth. Olive grey, very soft, homogenous silty clay, becoming soft with organic banding.

Biota: None.



Station M020S

Lat: 28.854765

Long: -89.131092

Cores recovered: 6 of 8

Supernatant water

Recovery: 10 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 50 cm

Visible contamination: None

Olfactible contamination: None

Description: Dark olive grey fluidized sediment to approximately 2 cm depth. Black, very soft to soft, homogenous silty clay, becoming firm. Biota: None.



Station M008S

Lat: 28.851890

Long: -89.024157

Cores recovered: 8 of 8

Supernatant water

Recovery: 11 cm

Visible contamination: Yes, sheen on water surface.

Olfactible contamination: None

Sediment

Recovery: 49 cm

Visible contamination: None

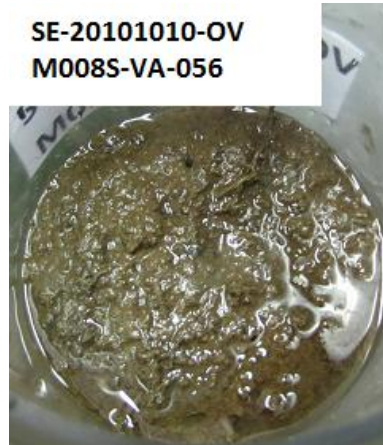
Olfactible contamination: None

Description: Dark olive grey fluidized sediment to approximately 1 cm depth. Olive, very soft to soft, homogenous silty clay, becoming firm.

Biota: None.



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Station M005S

Lat: 28.856984

Long: -89.982096

Cores recovered: 7 of 8

Supernatant water

Recovery: 12 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 48 cm

Visible contamination: None

Olfactible contamination: None

Description: Olive fluidized sediment to approximately 2 cm depth. Olive grey, very soft, homogenous silty clay, becoming soft.

Biota: 1cm gastropod.

